

PROJECT NAME: South Jordan Citywide Energy Efficiency Improvements

RECIPIENT: South Jordan City

LOCATION: South Jordan, UT

PURPOSE: South Jordan has undertaken a comprehensive effort to improve energy efficiency. These efforts are intended to reduce energy consumption as well as environmental impacts. Its efforts will also result in a cost savings over time. The improvements that are part of the plan include energy efficiency lighting retrofits (LED). The city presently owns and maintains 3,300 street lights and proposes to begin their replacement with a more energy efficient alternative (beginning with approximately 750 lights). Their replacement would result in an approximately 60% reduction in energy over the high pressure sodium lights presently in use.

As part of its plan, the city also proposes to implement adaptations in its snow removal strategy that are conservatively estimated to reduce diesel fuel consumption by 1,500 gallons per winter season for public works trucks. The strategy includes the practice of “pre-wetting” a brine-water mixture to salt immediately before it is dispensed to the road. The result is a process that speeds up the melting of the ice significantly, reducing the salt use and its drainage into the Jordan River, as well as translating into a significant reduction in the fuel consumed. In addition, the city also proposes to undertake a plan for the implementation of natural gas vehicles and a local fueling station.

AMOUNT: \$1,250,000